



ALTERNATIVE TO PTO/SB/08A/B (09/06)

Substitute for form 1449/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	10/823,206-Conf. #4054	
			Filing Date	April 13, 2004	
			First Named Inventor	Carlos Puente	
			Art Unit	2821	
			Examiner Name	H. V. Nguyen	
Sheet	1	of	2	Attorney Docket Number	68349-00009USPX

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
HN	A1*	US-6,639,558-A1	10-28-2003	Kellerman et al.
HN	A2*	US-5,210,542	05-11-1993	Pett et al.
HN	A3*	US-5,627,550	05-06-1997	Sanad
HN	A4*	US-5,680,144	10-21-1997	Sanad
HN	A5*	US-6,414,637-A1	07-02-2002	Keilen
HN	A6*	US-20030142036-A1	07-31-2003	Wilhelm et al.

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	T <sup>3</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		
HN	B1	EP-1168493	01-02-2002	Finglas Technologies Ltd	
HN	B2	WO-02/063714	08-15-2002	Fractus S A	
HN	B3	WO-03/003503	01-09-2003	Ethertronics Inc	

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
HN	C1	ANGUERA, J. et al., "A Procedure to Design Stacked Microstrip Patch Antennas Based on a Simple Network Model", Microwave and Optical Technology Letters, vol. 30, no. 3, August 5, 2001, pages 149-151			
↓	C2	DYSON, John D., "The Unidirectional Equiangular Spiral Antenna", IRE Transactions on Antennas and Propagation, October 1959, pages 329-334			
	C3	ANGUERA, Jaume et al., "A Procedure to Design Wide-Band Electromagnetically-Coupled Stacked Microstrip Antennas Based on a Simple Network Model", IEEE, 1999, 4 pages			
	C4	ANGUERA, Jaume et al., "Multifrequency Microstrip Patch Antenna Using Multiple Stacked Elements", IEEE Microwave and Wireless Components Letters, vol. 13, no. 3, March 2003, pages 123-124			
	C5	MOLEIRO, Alexandre et al., "Dual Band Microstrip Patch Antenna Element with Parasitic for GSM", IEEE, 2000, 4 pages			
	C6	ANGUERA, Jaume et al., "Antennas Microstrip Apiladas con Geometria de Anillo", Fractus SA, 2 pages <i>no date until</i>			abs
	C7	HERSCOVICI, Naftali, "New Considerations in the Design of Microstrip Antennas", IEEE Transactions on Antennas and Propagation, vol. 46, no. 6, June 1998, pages 807-812			
	↓	C8	CARVER, Keith R. et al., "Microstrip Antenna Technology", IEEE Transactions on Antennas and Propagation, vol. AP-29, no. 1, January 1981, pages 2-24		
HN	C9	CROQ, Frederic, "Multifrequency Operation of Microstrip Antennas Using Aperture Coupled Parallel Resonators", IEEE Transactions on Antennas and Propagation, vol. 40, no. 11, November 1992, pages 1367-1374			

Examiner Signature		Date Considered	1/5/07
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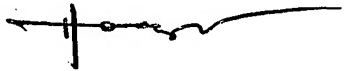
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Sheet	2	of	2	Attorney Docket Number	68349-00009USPX

<del>HN</del>	C10	RUMSEY, V. H., "Frequency Independent Antennas", University of Illinois, page 114-118	
<del>HN</del>	C11	REDDY, K. T. V. et al., "Stacked Microstrip Antennas for Broadband Circular Polarization", IEEE, pages 420-423, 2001	
<del>HN</del>	C12	YANG, X. H. et al., "Multifrequency Operation Technique for Aperture Coupled Microstrip Antennas", IEEE, pages 1198-1201, 1994	

no date avail

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.



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